

PATENT ABSTRACTS OF JAPAN

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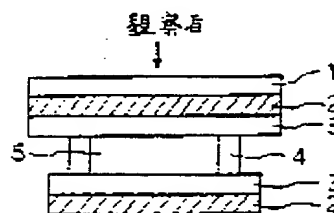
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(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PURPOSE: To improve the narrowness of the angle of visibility by setting a diffusing plate whose ratio of diffuse transmission factor to total light transmittivity is $\geq 40\%$ on the outside of a polarizing plate on a side where a liquid crystal display device is observed.

CONSTITUTION: In the liquid crystal display device consisting of a liquid crystal panel which holds liquid crystal 5 between two opposed substrates 3 having electrodes in the inner surfaces and two polarizing plates 2 which sandwich the panel, the diffusing plate 1 whose ratio of the diffuse transmission factor to the total light transmittivity is $\geq 40\%$ is set on the outside of the polarizing plate 2 on the side where the liquid crystal display device is observed. In the case, etching glass having an optional value, if its haze factor is $\geq 40\%$, can be used instead of the resin diffusing plate 1 and not only one-side etching glass but also both-side etching glass can be used. Thus, the narrowness of the angle of visibility which is the trouble of the liquid crystal display device is improved.



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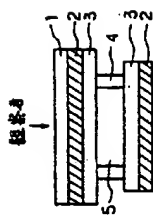
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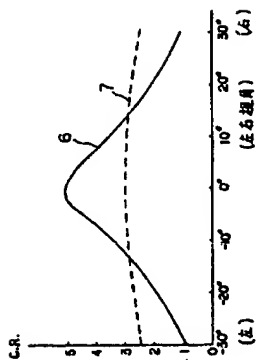
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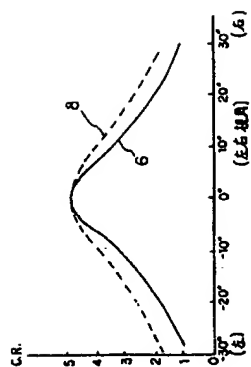
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第 1 図



第 2 図



第 3 図

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